BRUHATH BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER, YELAHANKA PROJECT DIVISION

Name of Work: Modified Estimate for Improvements and Repairs of Existing Crematorium Building at Hebbal in Yelahanka Zone.

							Estimate Cost:	2078939.00	
Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 **Page No. 5 / Item No. 2.1 of PWD SR 2016-17**	Cum							
	Desilting of Surrounding Drains		1	350.00	0.60	0.45	94.50		
	Total Qty						**94.50**	**TP**	
	Qty upto 125%						**84.38**	166.42	**14042.00**
	Qty Above 125%						**10.13**	166.42	**1685.00**
2	KSRB 2-1.2 : Earthwork in surface excavation in **Hard soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1. **Page No. 5 / Item No. 2.2 of PWD SR 2016-17**	Cum							
	For Compound Wall		1	29.60	0.90	0.90	23.98		
							23.98	233.20	**5591.00**
3	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.3 of PWD SR 2016-17**	Cum							
	ForCompound Wall		1	29.60	0.90	0.15	4.00		
	Flooring Concrete Damaged Portion		1	2.50	3.00	0.15	1.13		
	Damaged Reaches		1	3.00	2.80	0.15	1.26		
			3	3.20	2.50	0.15	3.60		

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	4.00	2.80	0.15	3.36		
			2	5.00	3.50	0.15	5.25		
			2	3.50	2.00	0.15	2.10		
			2	4.60	2.50	0.15	3.45		
			2	4.80	2.20	0.15	3.17		
			3	5.00	4.50	0.15	10.13		
	Total Qty						**37.43**	TP	
	Qty upto 125%						**20.25**	5159.02	**104470.00**
	Qty Above 125%						**17.18**	5159.02	**88653.00**
4	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6, stone** hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.6, PWD SR 2016-17**	Cum							
	For Compound Wall Foundation		1	29.60	0.75	0.45	9.99		
							9.99	2000.00	**19980.00**
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.9, PWD SR 2016-17**	Cum							
	For Compound Wall Basement		1	29.60	0.45	0.45	5.99		
							5.99	5305.30	**31800.00**
6	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.6 PWD SR 2016-17**	Cum							
	For Compound Wall Cpoing Concrete		1	29.60	0.45	0.15	2.00		
			1	17.40	0.15	0.10	0.26		
			1	5.50	0.15	0.10	0.08		
	Building Surrounding Drain Vent Concrete		1	28.00	0.60	0.10	1.68		
			1	28.00	0.60	0.10	1.68		
			1	46.00	0.60	0.10	2.76		

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	25.00	0.60	0.10	1.50		
			1	25.00	0.60	0.10	1.50		
	Damaged Reaches		1	3.00	2.80	0.15	1.26		
			3	3.20	2.50	0.15	3.60		
			2	4.00	2.80	0.15	3.36		
			2	5.00	3.50	0.15	5.25		
			2	3.50	1.80	0.15	1.89		
			2	4.60	2.50	0.15	3.45		
			2	4.80	2.20	0.15	3.17		
			3	5.00	4.50	0.15	10.13		
	Total Qty						**43.56**	TP	
	Qty upto 125%						**15.19**	5767.46	**87593.00**
	Qty Above 125%						**28.38**	5767.46	**163663.00**
7	KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 113 / Item No. 15.3, PWD SR 2016-17**	Sqm							
	Compound Wall Pointing		2	30.00		2.00	120.00		
							120.00	103.88	**12466.00**
8	KSRB15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114 / Item No. 15.18, PWD SR 2016-17 (Outside Wall)**	Sqm							
	For Compound Wall		2	17.40		1.95	67.86	-	
			2	5.50		1.95	21.45		
	Alround inside and Outside of cement Surface Damaged Reaches		1	4.50		1.80	8.10		
			1	10.00		2.20	22.00		
			1	8.60		1.90	16.34		
			1	6.50		2.00	13.00		
			1	12.80		3.50	44.80		
			1	14.90		3.60	53.64		
			1	12.50		2.80	35.00		
			1	16.20		2.00	32.40		
			1	12.00		2.50	30.00		
	Total Qty						**344.59**		
	Qty upto 125%						**250.00**	274.54	**68635.00**
	Qty Above 125%						**94.59**	274.54	**25969.00**

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
9	KSRB 24-2 : Extra for removing white wash or colour wash by steel brushing and / or scraping, sand papering the ceiling and / or sloping roof surface smooth including repairs to scraches, cost of labour, complete as per specifications. **Page No. 125, Item No. 16.1.2, PWDS R 2016-17**	Sqm							
	Ceiling Portion								
	Central Plaza		1	22.00		25.50	561.00		
	Back Side Waiting Hall 1 & 2		2	6.80		15.50	210.80		
	Furnage		2	10.20		31.40	640.56		
	Central Plaza Carridor Area		2	22.00		3.00	132.00		
	Stage		1	10.20		3.90	39.78		
	Toilets		2	4.00		3.30	26.40		
	Front Side Waiting Hall		1	6.50		6.80	44.20		
	Rooms		2	4.30		4.20	36.12		
	Entrence Porch		1	10.70		6.60	10.70		
	Pergola Beams for Hall		2x8	10.00		0.60	96.00		
			2x14	6.10		0.60	58.56		
	Pergola Beams for Enterance		2x18	8.80		0.60	84.48		
			2x12	12.30		0.60	118.08		
	Inside Wall								
	Central Plaza		2	22.00		2.50	880.00		
			2	16.80		2.50	672.00		
	Back Side Waiting Hall 1 & 2		4	6.80		2.50	272.00		
			4	6.50		2.50	260.00		
	Furange		2	16.95		2.50	678.00		
			2	9.00		2.50	360.00		
			2	2.35		2.50	94.00		
			2	10.20		2.50	408.00		
	Front Side Waiting Hall 1 & 2		2	6.80		2.50	272.00		
			2	3.20		2.50	128.00		
	Rooms		2	4.30		3.00	206.40		
			2	4.20		3.00	201.60		
	Toilets		4	4.00		2.00	128.00		
			4	3.30		2.00	105.60		
	Out Side Wall								
	back side Rooms		2	7.35		4.00	58.80		
			2	4.80		4.00	38.40		
	Scrabber Room		2	5.50		4.00	44.00		
			2	7.80		4.00	62.40		
	Crematorium Back Side Wall		1	17.90		4.00	71.60		
	R/S Walls		1	17.80		4.00	71.20		
			1	4.80		4.00	19.20		
			1	3.80		4.00	15.20		
			1	3.00		4.00	12.00		

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	12.80		4.00	51.20		
	L/S Wall		1	17.80		4.00	71.20		
			1	4.30		4.00	17.20		
			1	8.00		4.00	32.00		
			1	3.00		4.00	12.00		
			1	12.60		4.00	50.40		
	Front		1	32.00		4.00	128.00		
							7479.08		
	Deductions								
	Main RollingShutters		2	3.20		3.20	20.48		
			2	2.20		3.20	14.08		
	Small halla Enterance		2	2.50		3.20	16.00		
	Burning Hall Door		1	5.00		3.20	16.00		
	Burning Hall Window		6	3.00		1.50	27.00		
	Room Door		2	1.20		2.10	5.04		
	Toilet Doors		2	1.20		2.10	5.04		
	Scrabber Romm		2	3.00		3.20	19.20		
							-122.84		
	Total Qty						**7356.24**		
	Qty upto 125%						**2375.00**	6.36	**15105.00**
	Qty Above 125%						**4981.24**	6.36	**31681.00**
10	KSRB 15-13.3 : Providing and applying two coats dry distemper of approved brand, and shade on wall surface including priming coat and whitening after throughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. **Page No. 116, Item No. 15.47.1. PWD SR 2016-17**	Sqm							
	Out Side Wall								
	For Compound Wall Front		2	17.40		1.95	67.86		
			2	5.50		1.95	21.45		
	back side Rooms		2	7.35		4.00	58.80		
			2	4.80		4.00	38.40		
	Scrabber Room		2	5.50		4.00	44.00		
			2	7.80		4.00	62.40		
	Crematorium Back Side Wall		1	17.90		4.00	71.60		
	R/S Walls		1	17.80		4.00	71.20		
			1	4.80		4.00	19.20		
			1	3.80		4.00	15.20		
			1	3.00		4.00	12.00		
			1	12.80		4.00	51.20		
	L/S Wall		1	17.80		4.00	71.20		
			1	4.30		4.00	17.20		

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	8.00		4.00	32.00		
			1	3.00		4.00	12.00		
			1	12.60		4.00	50.40		
	Front		1	32.00		4.00	128.00		
	Central Plaza		1	23.00		26.50	609.50		
	Back Side Waiting Hall 1 & 2		2	6.90		16.60	229.08		
	Furnage		2	11.20		32.40	725.76		
							2408.45		
	Deductions								
	Main RollingShutters		0.5x2	3.20		3.20	10.24		
			0.5x2	2.20		3.20	7.04		
	Burning Hall Window		0.5x6	3.00		1.50	13.50		
	Room Door		0.5x2	1.20		2.10	2.52		
	Scrabber Romm		2	3.00		3.20	19.20		
							-52.50		
	Total Qty						**2355.95**		
	Qty upto 125%						**1375.00**	53.00	**72875.00**
	Qty Above 125%						**980.95**	53.00	**51990.00**
11	KSRB 15-14.1 : Providing and **applying two coats with oil bound washable distemper** of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. **Page No. 117 / Item No. 15.49.1, PWD SR 2016-17**	Sqm							
	Ceiling Portion								
	Central Plaza		1	22.00		25.50	561.00		
	Back Side Waiting Hall 1 & 2		2	6.80		15.50	210.80		
	Furnage		2	10.20		31.40	640.56		
	Central Plaza Carridor Area		2	22.00		3.00	132.00		
	Stage		1	10.20		3.90	39.78		
	Toilets		2	4.00		3.30	26.40		
	Front Side Waiting Hall		1	6.50		6.80	44.20		
	Rooms		2	4.30		4.20	36.12		
	Entrence Porch		1	10.70		6.60	10.70		
	Pergola Beams for Hall		2x8	10.00		0.60	96.00		
			2x14	6.10		0.60	58.56		
	Pergola Beams for Enterance		2x18	8.80		0.60	84.48		
			2x12	12.30		0.60	118.08		
	Inside Wall								
	Central Plaza		2	22.00		2.00	704.00		
			2	16.80		2.00	537.60		
	Back Side Waiting Hall 1 & 2		4	6.80		2.00	217.60		

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			4	6.50		2.00	208.00		
	Furange		2	16.95		2.00	542.40		
			2	9.00		2.00	288.00		
			2	2.35		2.00	75.20		
			2	10.20		2.00	326.40		
	Front Side Waiting Hall 1 & 2		2	6.80		2.00	217.60		
			2	3.20		2.00	102.40		
	Rooms		2	4.30		3.00	206.40		
			2	4.20		3.00	201.60		
							5685.88		
	Deductions								
	Main RollingShutters		0.5x2	3.20		3.20	10.24		
			0.5x2	2.20		3.20	7.04		
	Small halla Enterance		2	2.50		3.20	16.00		
	Burning Hall Door		1	5.00		3.20	16.00		
	Burning Hall Window		0.5x6	3.00		1.50	13.50		
	Room Door		0.5x2	1.20		2.10	2.52		
							-65.30		
	Total Qty						**5620.58**		
	Qty upto 125%						**1000.00**	75.26	**75260.00**
	Qty Above 125%						**4620.58**	75.26	**347745.00**
12	KSRB15-3.11 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114, Item No. 15.19 of PWD SR 2016-17**	Sqm							
	OHT inside		4	4.70	1.30		24.44		
							24.44	248.04	**6062.00**
13	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 **Page No. 77 / Item No. 12.5, PWD SR 2016-17**	Each							
			4				**4.00**	5437.80	**21751.00**

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
14	KSRB 7.3 : Providing and fixing 1mm thick **M.S. sheet garage door** with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications. **Double leaf door of size 2.4x2.4m**. Specification No. KBS 7.9 / 7.12. (**P.No. 31, I.No. 7.3 of PWD SR 2016-17**)	Sqm							
	Furance Chamber		1	3.40		2.75	**9.35**	2471.92	**23112.00**
15	KSRB 7.4 : Providing and fixing 1mm thick **M.S. sheet garage door** with frame and diagonal braces of size 40x40x6 mm angle Iron, using M.S. flats 30x6 mm for diagonal braces and central cross pieces 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications. **1 double leaf door of size 2.4x2.4m**. Specification No. KBS 7.9 / 7.12. (**P.No. 31, I.No. 7.4 of PWD SR 2016-17**)	Sqm							
	For Enterance		1	3.50		2.00	**7.00**	2025.66	**14180.00**
16	KSRB 11-11.2 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a single 15mm C.P brass pillar tap with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. (**P.No. 81, I.No. 12.24 of PWD SR 2016-17**)	Unit							
			2				**2.00**	3187.42	**6375.00**
17	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) - 25mm nominal OD pipes. (**P.No. 96/I.No. 13.85.3 of PWD SR 2016-17**)	m							
			1	75.00			**75.00**	180.20	**13515.00**